

## GP080-120VX series

Sit-down, counterbalanced, ICE, pneumatic tire 8,000–12,000 lbs.



## **Delivering customer** satisfaction



# **A leader**

### in materials handling.

Yale has invested heavily in people, processes and capital equipment to encompass the cornerstones of quality and dependability... Innovative Design, Comprehensive Testing, Highest Quality, Advanced Components and Superior Manufacturing.

Veracity means adherence to the truth. From these origins comes the Veracitor® VX series. True to our customers. True to your application. And true to our promise of productivity. Each truck in the Veracitor® VX series of internal combustion engine lift trucks has been designed with component commonality for simplified operational maintenance, and customizable productivity packages for specific customer needs.



# Designed for Comfort.

Operator comfort is enhanced by the increased foot space in the well-designed operator's compartment. The isolated powertrain reduces noise and vibration helping to minimize operator fatigue and increasing operator productivity throughout a shift. Greater operator visibility is afforded through the Yale® Hi-Vis<sup>TM</sup> mast. Innovative designs like our optimized step height, 3-point entry, increased shoulder clearance, easy right-side access and ergonomically-designed controls make this a comfortable ride for the operator.

#### **Optional electro-hydraulic controls**

The optional Yale® Accutouch mini-lever electro-hydraulic control with on-demand load-sensing hydraulics offers an excellent ergonomic design with shorter reach and throw and considerably less effort required to operate versus common hydraulic levers. The fully-adjustable armrest is contoured for maximum comfort and flexibility to minimize muscle and joint strain.

#### Low step height

A low step height provides easy entry and exit. The standard, cowl-mounted manual hydraulic levers also allow easy access for right-side entry/exit. The overhead guard design offers plenty of headroom with great visibility of upper mast heights.

#### **Optional Techtronix 100 transmission**

The Auto Deceleration System (standard on the Yale® Techtronix transmissions) reduces brake pedal usage, and therefore operator leg fatigue. Controlled power reversal with automatic inching control moves loads more efficiently with less operator fatigue and product damage.

#### **Optional rear drive handle**

Rear driving comfort has been enhanced with an optional convenient rear drive handle (complete with horn button) optimally placed on the rear overhead guard leg. The rear drive handle, in conjunction with an optional swivel seat, creates a comfortable and secure work environment. A moderately-sized steering wheel, and the infinitely adjustable steer column, accommodates operators of all sizes.



Optional Accutouch mini-lever electro-hydraulic controls with on-demand hydraulics



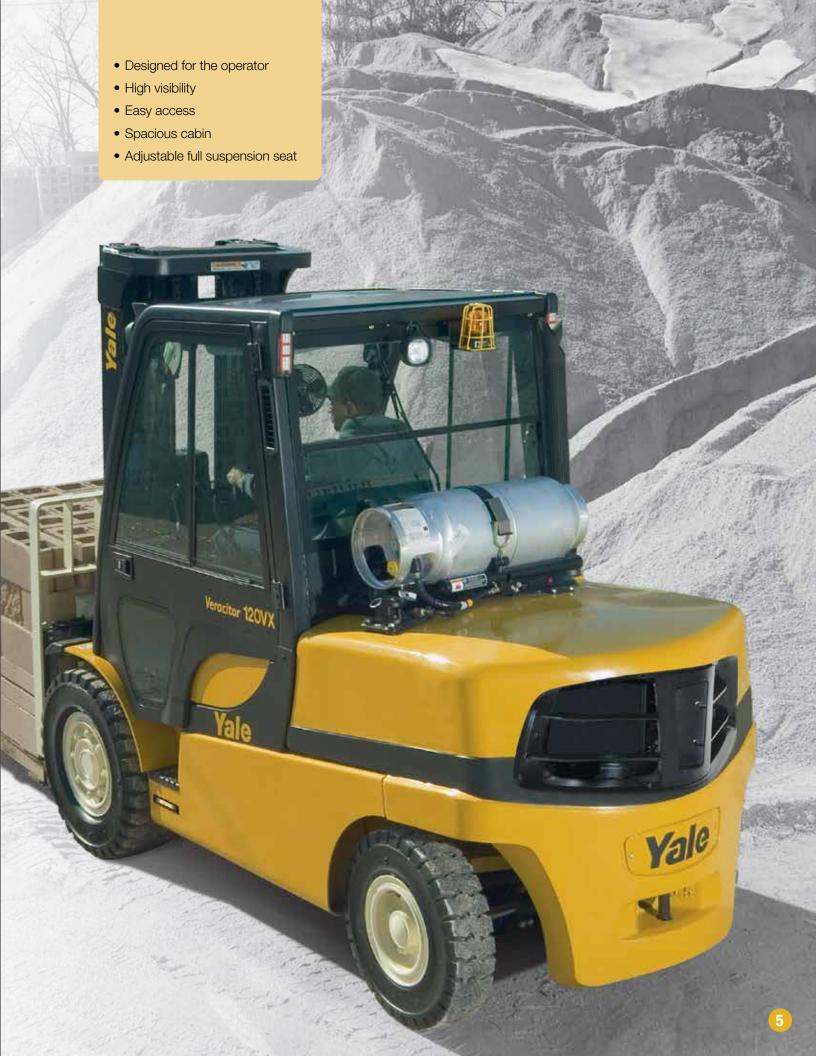
Low step height



Optional rear drive handle with horn button



Infinitely adjustable steer column



- Fast travel and mast speeds
- Enhanced controllability
- High residual lift capacities
- Optional on-demand hydraulics
- Longer uptime



# Ultimate productivity.

This series of trucks is available in several configurations to meet and exceed your material handling application requirements. The Veracitor® trucks can be configured for maximum performance with state-of-the-art-features and superior power. Trucks operating in standard and medium-duty requirements can be optimized for lowest cost of operation while maintaining excellent performance.

#### **Powertrain options**

The Yale Veracitor® VX series offers a variety of productivity options, featuring the PSI 4.3L V-6 engine, Kubota 3.8L LPG, Kubota 3.8L Dual Fuel or Kubota 3.8L turbo diesel engine.

Two transmission selections are available: Electronic Powershift and Techtronix 100. The Electronic Powershift features electronic shift control, electronic inching (requires no adjustment), and heavy duty clutch packs. The Techtronix 100 transmission additionally features the Auto Deceleration System—bringing the unit to a complete stop when the accelerator pedal is released, and controlled power reversals—reducing tire spin by precisely regulating engine speed. Controlled ramp descent limits roll to three inches per second. Both Electronic Powershift and Techtronix 100 transmissions are also available with two forward speeds for additional travel speed and gradeability.

## Yale<sup>®</sup> Flex Performance Technology<sup>™</sup>

The innovative Yale® Flex Performance Technology™ offers the flexibility to maximize fuel economy or productivity to match application needs. The GP080-120VX series features two modes that allow customers to tailor productivity levels to the demands of their application. This feature provides operators the ability to achieve a balance of performance and superior fuel economy, or to maximize productivity during peak business periods when moving more loads is integral to the success of your operation.



PSI 4.3L V-6 LPG engine



Kubota 3.8L LPG or turbo diesel engine (LPG shown)

# Low cost of operation.

- Reduces brake and tire wear
- Auto deceleration system
- On-demand hydraulics
- Kubota turbo diesel engine
- Easy to service

The purchase price of a truck is only a small part of its overall cost. A lift truck's cost of ownership is the largest portion of dollars spent and includes such elements as periodic maintenance, unscheduled repairs, tires, brakes and fuel costs. The Yale engineers focused on cost savings with additional engine and transmission options, world-class serviceability and unparalleled dependability. The Veracitor® VX truck offers substantial operating cost savings over the competition.

#### Reduced wear on brakes and tires

The wet disc brakes further lower the operating costs of the truck by virtually eliminating brake maintenance. Fully sealed against contamination, these brakes are ideal for tough environments, and often last the life the truck. Premium force-cooled wet disc brakes are standard on GP100-120VX models and optional on GP080-090VX models.

#### **Techtronix transmission**

The Auto Deceleration System, built into the techtronix transmission, automatically slows the truck when the throttle pedal is released, minimizing brake usage requirements and reducing associated brake wear costs. Controlled power reversal feature reduces tire spin, increasing tire life by up to 50%. This feature is programmable to match the needs from delicate to more aggressive settings for maximum productivity. The Kubota turbo diesel features a diesel oxidation catalyst (DOC) design that avoids particulate filters.

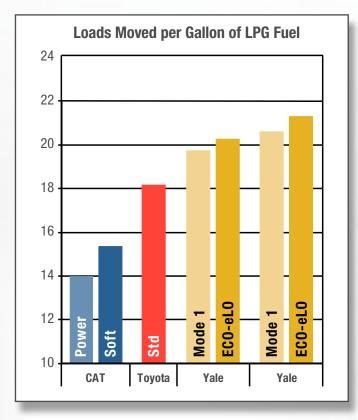
#### **Smart hydraulics**

The optional on-demand hydraulic system is load-sensing, delivering oil flow only when required, saving customers up to 20% in fuel consumption. The system consumes less fuel than a typical fixed displacement hydraulic system while producing less heat. Oil and filters last longer; hoses, seals and components also wear less and last longer. Accutouch mini-levers provide low effort, tactile control of all hydraulic functions.



#### Simplified serviceability

Simplified daily checks and reduced service requirements help to reduce the labor cost involved with periodic maintenance and unscheduled repairs. To further aid serviceability, the floor plate requires no tools to remove and offers complete access to the powertrain.



In standard performance mode, the Yale® GP080VX lift truck provides the lowest cost of operation compared to leading competitors when tested on a productivity course. The Yale® Flex Performance Technology™ option on the efficient Kubota 3.8L LPG engine allows the operator to choose which mode to use during operation: Mode 1 or ECO-eLo. The on-demand hydraulic system further reduces overall costs and greatly reduces fuel consumption by pumping hydraulic oil only when needed. Both engines are tuned for the most effective performance / fuel economy balance.



# Ultimate dependability.

#### Innovative cooling options

An optional cooling system design on the Veracitor® VX trucks enables significantly lower operating temperatures versus competitive models. The innovative system offers excellent airflow through optimized ducting and high-volume tunnels allowing our trucks to run cooler longer. Radiators are 100% shock mounted for long life. The combi-cooler radiator has a four-row aluminum core radiator and a four-row externally mounted heavy-duty transmission oil cooler for tough applications. Diesel radiators for diesel powertrains feature air to air intercoolers to increase efficiency and reduce emissions.

By keeping major components running in their optimum temperature ranges, the **optional on-demand cooling system** helps to extend the overall truck service life. The fan system is an extension of the robust hydraulic system, including superior oil filtration and O-ring face seal hydraulic fittings. By automatically reversing every 20 minutes, the hydraulically controlled cooling fan helps to keep the radiator clear of debris, reducing the need for the operator to clear it manually.

#### Reliable electronics

Sealed electrical connectors allow the entire truck to be pressure washed. Hall Effect sensors and switches such as the key start switch and direction shift lever have solid state components that are magnetically operated and are 100% sealed from the environment.

Intellix VSM, the smart vehicle system manager, maximizes driver efficiency by managing fast direction changes that reduce drive tire spin and tire wear. Intellix VSM maximizes uptime by monitoring and protecting key truck functions.



Optional on-demand cooling system



# Service made simple.

Not only is the Veracitor® VX series designed to require less maintenance, it is also designed to be extremely easy to service. From the rear-opening, one-piece hood and on-board diagnostics, to the reliable, most comprehensive parts availability in the industry, these trucks were designed with service details in mind. The cowl-to-counterweight access makes servicing fast, easy and convenient, making the Veracitor® VX series the new standard in truck serviceability.



- Intellix VSM
- Reduced service costs
- On-board diagnostics
- Easily accessible components
- Parts availability program

#### Intellix VSM

The Intellix VSM continuously monitors truck functions and immediately alerts the operator to service needs. Extensive on-board diagnostics on the advanced dash display communicates service codes, enabling quick and accurate repairs.

## Reduced service requirements

All transmissions feature smooth electronic shift control inching that requires no periodic adjustment. Controlled Techtronix power reversal feature reduces tire spin, increasing drive tire life by up to 50%. Engine coolant change and hydraulic oil change intervals are 4,000 hours. The Kubota 3.8L turbo diesel engine provides EPA certified power without the need for a diesel particulate filter. Premium wet disc brakes virtually eliminate brake maintenance and often last the life of the truck. These efficient features directly contribute to reduced service costs.

## Cowl-to-counterweight access

The Veracitor® VX truck has a rear-opening, one-piece hood that opens 85 degrees. Coupled with the one-piece floor plate, excellent cowl-to-counterweight access is provided. The uncluttered layout under the hood offers clean hydraulic and electrical routings. As a result, engine compartment daily checks are all located within close reach and are easily performed.

#### Easy access radiator

The soft rubber, isolator mounted radiator is easy to access by removing the cover, held in place by thumbscrews. The filler cap and optional radiator lint screen can also be removed without the use of tools.

Reduce radiator cleaning frequency by choosing the optional ondemand cooling system. The hydraulic fan drive controls the speed and rotational direction of the fan. During normal operation, the default reverse feature is set to run automatically for 20 seconds every 20 minutes. For heavier duty applications, a manual dash control button allows the operator to initiate a reversal manually.



- Reduces debris vacuuming that can clog the radiator.
- Uses less power to maintain target powertrain temperatures than standard system.
- Increases fuel efficiency.
- Lowers fan speeds, reducing noise levels.

#### Swing-out EZ-tank (optional)

The optional swing-out, drop-down EZ-tank bracket swings out and drops down approximately 60 degrees for virtually effortless removal and installation of the LPG tank.



## **Supporting customers**

#### With world-class parts and service

Our Guaranteed Availability Program (G.A.P.) ensures that parts that are normally required in the first 2 years of operation will be available from your Yale® parts dealer within 24 hours or they are free. With four Parts Distribution Centers strategically located around the world, we provide a full range of original equipment and aftermarket parts that maintain our customers' uptime.\*

We also take that commitment into the field with Yale's ProTech® Certification training program, available to our dealers' technicians. The ProTech® technical training program provides both systems level as well as product specific education to ensure lift trucks are repaired right the first time.

\*Consult your local dealer for G.A.P. program rules.

## **GP080VX** specifications

Manufacturer Name			" · · · ·			
Engine		1	Manufacturer Name			
Refer Capacity						
Load Centra, Distance   In (mm)		2		lb (kg)		
Size Height	Į₹					
Size Height	三	5	•	111 (111111)		
Size Height	믕	-6	••			
3 Time Type - Cushlow, Solid, Pneumatic   Y driven   2x/2				in (mm)		
9   Wheels, Number - Front/ Rear   X driven   24/2		=	<u> </u>	()		· ,
10				X driven		
11		_	•			
Lift Heights, Optional Full Freb. Lift Fish, with LBR (TOP)   in (mm)   36 (924)				` '	<u>,</u>	
Standard Carriage Width   In (mm)				`	·	
Total   Forks, Thickness x Width x Length   in (mm)   2 x 5 x 4 8 (60 x 125 x 1219)		12		`	,	
Fork Spread, Outside Dimensions   in (mm)   4.3.5 (1106)				` '		•
Length To Face of Forks				in (mm)	43.5 (	1106)
Toward Width, Standard Tread   in (mm)   55.2 (1402)		15	Mast Tilt Angles, Forward/Backward	degrees	6/	10
Height, Standard Mast - Extended without LBR	S	16	Length To Face of Forks	in (mm)	116 (2	2946)
Height, Standard Mast - Extended without LBR	Ō	17		in (mm)	55.2 (	1402)
Height, Standard Mast - Extended without LBR	INS			` '	<u>`</u>	
Height, Standard Mast - Extended without LBR	Σ			` 1	<u>`</u>	
Height, Standard Overhead Guard   in (mm)   89 (2260)	D	19	• /	` 1	<u>`</u>	
Height, Optional Overhead Guard with Operator Cab   in (mm)   90 (2281)			• <i>,</i>	` '	<u>`</u>	
Height, Overhead Guard with Operator Cab   in (mm)   90 (2281)		20	· ·	` '	<u>`</u>	
Turning Radius, Minimum Outside (OTR)			· · ·	` '		•
22   Length, Center of Wheel to Face of Forks   in (mm)   121.8 (393)		04	• • • • • • • • • • • • • • • • • • • •	` '	· · · · · · · · · · · · · · · · · · ·	
23   Asis Width, Right Angle Stack (Add Length of Load)   in (mm)   121.8 (3939)     24   Equal Aisle, 90 - Degree Intersecting Aisle (48" L X 40" W Load)   in (mm)   9.06 (2302)     25   Travel Speed RLNL   -1-Speed   mph (km/h)   15.7/16 (25.272.7)     26   Lift Speed, Optional 2-Stage LFL RL/NL   ft/min (m/s)   121/125 (611.63)     27   Lowering Speed, Standard 2-Stage LFL RL/NL   ft/min (m/s)   113/117 (577.59)     27   Lowering Speed, Dptional 3-Stage FFL RL/NL   ft/min (m/s)   113/117 (577.59)     27   Lowering Speed, Dptional 3-Stage FFL RL/NL   ft/min (m/s)   108/93 (554/7)     28   Max Drawbar Pull RJ/NL   -1-Speed   b(kg)   5918/3406 (2685/1945)     29   Max Drawbar Pull RJ/NL   -1-Speed   b(kg)   5918/3406 (2685/1945)     20   Drawbar Pull RJ/NL   -1-Speed   b(kg)   5077/3406 (323271545)     20   Drawbar Pull RJ/NL   -1-Speed   b(kg)   5002/3406 (2722/1545)     20   Max Gradeability RJ/NL   -1-Speed   b(kg)   6002/3406 (2722/1545)     21   Weight, Standard Truck (Standard 2-Stage LFL) NL   b(kg)   13076 (5931)   13274 (6021)     32   Arle Loading, Static Front/Rear RL   b(kg)   21076 (5960)   21274 (9850)     33   Tire Size, Front   536 (777396 (5960)   21274 (9850)     34   Tire Size, Front   536 (777396 (5960)   21274 (9850)     35   Wheelbase   in (mm)   7.6 (194)     36   Torund Clearance, Center of Wheelbase NL   in (mm)   5.9 (151)     36   Torund Clearance, Center of Wheelbase NL   Protocology (776)   210/245 (263)   4/3769 (230)     40   Parking Brake - Method of Control/Operation   4/40 (4765)   4/4765 (230)   4/3769 (230)     41   Permanent Output   hp (kW)   74(55) © 1800RPM   210/2630   4/3769 (230)     42   Hydraulic Tank - capacity (fails & refill)   9gal (liter)   N/A		_	• , ,	` '		· /
Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)		_	•	` '		,
25   Travel Speed RL/NL				` '		,
2-Speed				· ' '		
25		25				<u> </u>
Lift Speed, Optional 2-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lowering Speed, Optional 2-Stage FFL RL/NL Lowering Speed, Optional 2-Stage FFL RL/NL Lowering Speed, Optional 3-Stage FFL RL/NL Lowering Speed, Optional Speed Speed Speed Speed Speed Speed Speed, Speed Speed, Speed Speed, Speed Speed, Speed Speed, Speed, Speed Speed, Sp		26	· · · · · · · · · · · · · · · · · · ·	- ` '	·	
Lift Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 113/117 (.57/.59)  Z Lowering Speed, Standard 2-Stage LFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 104/87 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 104/87 (.50/.34)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (.50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 95/71/3406 (2332/1545)  Drawbar Pull RL/NL 1-Speed lb (kg) 507/73406 (2332/1545)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71/3406 (2332/1545)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71/3406 (2332/1545)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71/3406 (2332/1545)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71/3406 (2332/1545)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71/3406 (2332/1545)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71/3406 (2332/1545)  Lowering Speed, Optional 98/71/3406 (2332/1545)  Lowering Spe		20		` '		· ,
27   Lowering Speed, Standard 2-Stage FFL RL/NL   ft/min (m/s)   108/93 (.55/.47)				` '		· ,
1-Speed   1b (kg)   5077/3406 (23031545)	Щ	27		` '		· '
1-Speed   1b (kg)   5077/3406 (23031545)	Ĭ		<u> </u>	` '		· · · · · · · · · · · · · · · · · · ·
1-Speed   1b (kg)   5077/3406 (23031545)	ĬŽ.			` '		,
1-Speed   1b (kg)   5077/3406 (23031545)	ë	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	5918/3406 (	2685/1545)
1-Speed   1b (kg)   5077/3406 (23031545)	쯢		2-Speed	lb (kg)	7126/3406 (	3232/1545)
29   Max Gradeability RL/NL † 1-Speed   %   29/27	Ь		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5077/3406 (	2303/1545)
Caradeability @ 1 mph RL/NL ** 1-Speed				lb (kg)		
Gradeability @ 1 mph RL/NL # 1-Speed		29	Max Gradeability RL/NL <sup>††</sup> 1-Speed			
2-Speed						
31   Weight, Standard Truck (Standard 2-Stg. LFL) NL   Ib (kg)   13076 (5931)   13274 (6021)			, , , , , , , , , , , , , , , , , , , ,	<del>                                     </del>		
Weight, Standard Truck (Standard 2-Stg. LFL) RL   Ib (kg)   21076 (9560)   21274 (9650)						
32   Axle Loading, Static Front/Rear NL   Ib (kg)   5677/7399 (2575/3356)   5756/7518 (2611/3410)     Axle Loading, Static Front/Rear RL   Ib (kg)   18628/2448 (8450/1110)   18707/2567 (8485/1164)     33   Tire Size, Front   250 x 15 - 20 Ply     34   Tire Size, Rear   7.00 x 12 - 14 Ply     35   Wheelbase   in (mm)   72 (1830)     37   Ground Clearance, Lowest Point NL (with RL subtract -6mm)   in (mm)   5.9 (151)     38   Ground Clearance, Center of Wheelbase NL   in (mm)   7.6 (194)     39   Service Brake - Method of Control/Operation   Foot/Hydraulic     40   Parking Brake - Method of Control/Operation   Hand/Mechanical     41   Battery Type   Maintenance Free     42   Volts/Cold Cranking Amps   v/cca   12/475     43   Engine, Manufacturer/Model   PSI 4.3L V6   Kubota WG3800 LPG     44   Permanent Output   hp (kW)   74(55) @ 1800RPM     45   Torque @ Rated RPM   ft/lbs (kg/m)   210(285) @1800RPM   221(300) @1000RPM     46   Number of Cylinders/Displacement   No/cc (ci)   6/4302 (263)   4/3769 (230)     50   Fuel Tank Capacity (Gas & Diesel Only)   gal (liter)   N/A		31	· · · · · · · · · · · · · · · · · · ·			
Axle Loading, Static Front/Rear RL   Ib (kg)   18628/2448 (8450/1110)   18707/2567 (8485/1164)	Ĕ.	20	· · · · · · · · · · · · · · · · · · ·			
Tire Size, Front   250 x 15 - 20 Ply   34   Tire Size, Rear   7.00 x 12 - 14 Ply   35   Wheelbase   in (mm)   72 (1830)   37   Ground Clearance, Lowest Point NL (with RL subtract -6mm)   in (mm)   5.9 (151)   38   Ground Clearance, Center of Wheelbase NL   in (mm)   7.6 (194)   39   Service Brake - Method of Control/Operation   Foot/Hydraulic   Foot/Hydraulic   40   Parking Brake - Method of Control/Operation   Hand/Mechanical   Maintenance Free   42   Volts/Cold Cranking Amps   V/cca   12/475   Maintenance Free   42   Volts/Cold Cranking Amps   V/cca   12/475   Forque @ Rated RPM   Rermanent Output   hp (kW)   74(55) @ 1800RPM   210(285) @1800RPM   221(300) @1000RPM   45   Torque @ Rated RPM   ft/lbs (kg/m)   210(285) @1800RPM   221(300) @1000RPM   46   Number of Cylinders/Displacement   No/cc (ci)   6/4302 (263)   4/3769 (230)   Standard Speeds, Forward/Reverse   1/1   49   Hydraulic Tank - capacity (drain & refill)   gal (liter)   N/A   13.5 (51.0)   Fuel Tank Capacity (Gas & Diesel Only)   gal (liter)   N/A		32	-	, ,,		
Tire Size, Rear   T.00 x 12 - 14 Ply		22		ID (Kg)		
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Standard Speeds, Forward/Reverse 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Days Maintenance Free 6	E E					•
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Standard Speeds, Forward/Reverse 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Days Maintenance Free 6			· · · · · · · · · · · · · · · · · · ·	in (mm)		
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Standard Speeds, Forward/Reverse 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Days Maintenance Free 6	×			1	· · · · · · · · · · · · · · · · · · ·	
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Standard Speeds, Forward/Reverse 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Days Maintenance Free 6	ES			· · · · · · · · · · · · · · · · · · ·	,	•
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Standard Speeds, Forward/Reverse 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Days Maintenance Free 6	H		,	()	,	,
Maintenance Free   42   Volts/Cold Cranking Amps   V/cca   12/475			•			
42         Volts/Cold Cranking Amps         v/cca         12/475           43         Engine, Manufacturer/Model         PSI 4.3L V6         Kubota WG3800 LPG           44         Permanent Output         hp (kW)         74(55) @ 1800RPM           45         Torque @ Rated RPM         210(285) @1800RPM         221(300) @1000RPM           46         Number of Cylinders/Displacement         No/cc (ci)         6/4302 (263)         4/3769 (230)           5         Standard Speeds, Forward/Reverse         1/1         13.5 (51.0)           49         Hydraulic Tank - capacity (drain & refill)         gal (liter)         13.5 (51.0)           50         Fuel Tank Capacity (Gas & Diesel Only)         gal (liter)         N/A		_	·			
## Engine, Manufacturer/Model PSI 4.3L V6 Kubota WG3800 LPG ## Permanent Output hp (kW) 74(55) @ 1800RPM ## Torque @ Rated RPM ft/lbs (kg/m) 210(285) @1800RPM 221(300) @1000RPM ## A6 Number of Cylinders/Displacement No/cc (ci) 6/4302 (263) 4/3769 (230) ## Standard Speeds, Forward/Reverse 1/1 ## Hydraulic Tank - capacity (drain & refill) gal (liter) 13.5 (51.0) ## Fuel Tank Capacity (Gas & Diesel Only) gal (liter) N/A				v/cca		
## Permanent Output	$\mathbf{Z}$	_			PSI 4.3L V6	Kubota WG3800 LPG
49Hydraulic Tank - capacity (drain & refill)gal (liter)13.5 (51.0)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)N/A	₽Ã		Permanent Output	hp (kW)		1800RPM
49Hydraulic Tank - capacity (drain & refill)gal (liter)13.5 (51.0)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)N/A	#	45	Torque @ Rated RPM	ft/lbs (kg/m)	210(285) @1800RPM	221(300) @1000RPM
49Hydraulic Tank - capacity (drain & refill)gal (liter)13.5 (51.0)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)N/A	<b>≥</b>	46	Number of Cylinders/Displacement	No/cc (ci)	6/4302 (263)	` ,
50 Fuel Tank Capacity (Gas & Diesel Only) gal (liter) N/A	P0					
		_	,			
Auxiliary Hydraulic Pressure Relief for Attachments   PSI (Mpa)   2250 (15.5)						
		51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250	(15.5)

## **GP080VX** specifications

		Manufacturer Nama			Ve!-	
	[	Manufacturer Name			Yale GP080VX	
	2	Model Engine		Kuhata 2 0	L Dual Fuel	Kubota 3.8L DSL
	3	Rated Capacity	lb (kg)	Nuuvia 3.0	8000 (3629)	กนมปเส จ.อะ มอะ
₹ ¥		Load Center, Distance	in (mm)		24 (610)	
GENERAL	5	Power Type	(111111)	LPG	Gasoline	Diesel
넁	6	Operator Type		LIU	Sit-Down Rider	Diodoi
	7	Step Height	in (mm)		17.4 (441)	
	8	Tire Type - Cushion, Solid, Pneumatic	()		Pneumatic	
	9	Wheels, Number - Front/ Rear	X driven		2x/2	
		Lift Height, Top of Fork (TOF)	in (mm)		120 (3050)	
		Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)		4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)		36 (924)	
	12	Standard Carriage Width	in (mm)		48 (1219)	
		Forks, Thickness x Width x Length	in (mm)		2 X 5 X 48 (50 X 125 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm)		43.5 (1106)	
	15	Mast Tilt Angles, Forward/Backward	degrees		6/10	
S	16	Length To Face of Forks	in (mm)		116 (2946)	
DIMENSIONS	17		in (mm)		55.2 (1402)	
INS		Overall Width, Wide Tread	in (mm)		58.5 (1485)	
M		Height, Standard Mast - Lowered	in (mm)		86 (2171)	
D	19	Height, Standard Mast - Extended with LBR	in (mm)		170 (4297)	
		Height, Standard Mast - Extended without LBR	in (mm)		151 (3815)	
	20	Height, Standard Overhead Guard	in (mm)		89 (2260)	
		Height, Optional Overhead Guard	in (mm)		87 (2193)	
	~	Height, Overhead Guard with Operator Cab	in (mm)		90 (2281)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)		101.2 (2570)	
	22	Length, Center of Wheel to Face of Forks	in (mm)		20.6 (523)	
	=	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)		121.8 (3093)	
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)		90.6 (2302)	
	25	Travel Speed RL/NL 1-Speed	mph (km/h)		12.2/12.8 (19.7/20.6)	
	20	2-Speed Lift Speed, Standard 2-Stage LFL RL/NL	mph (km/h) ft/min (m/s)		15.7/16 (25.2/25.7)	
	20	Lift Speed, Optional 2-Stage FFL RL/NL  Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		121/125 (.61/.63) 108/111 (.54/.56)	
		Lift Speed, Optional 3-Stage FFL RL/NL  Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		113/117 (.54/.59)	
Ť.	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		108/93 (.55/.47)	
1	#	Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		98/71 (.50/.36)	
PERFORMANCE		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		104/87 (.53/.44)	
Ö	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	5779/3406 (2621/1545)	5683/3406 (2578/1545)	5974/3406 (2710/1545)
Ä		2-Speed	lb (kg)	6960/3406 (3157/1545)	6845/3406 (3105/1545)	7193/3406 (3263/1545)
٩		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	4963/3406 (2251/1545)	4885/3406 (2216/1545)	5122/3406 (2323/1545)
		2-Speed	lb (kg)	5871/3406 (2663/1545)	5780/3406 (2622/1545)	6054/3406 (2746/1545)
	29	Max Gradeability RL/NL <sup>††</sup> 1-Speed	%	29/27	28/27	30/27
		2-Speed	%	35/27	34/27	36/27
		Gradeability @ 1 mph RL/NL <sup>††</sup> 1-Speed	%	24/27	24/27	25/27
		2-Speed	%	29/27	29/27	30/27
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)		13274 (6021)	
WT.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)		21274 (9650)	
3	32		lb (kg)		5756/7518 (2611/3410)	
		Axle Loading, Static Front/Rear RL	lb (kg)		18707/2567 (8485/1164)	
LS	33	Tire Size, Front			250 x 15 - 20 Ply	
H	34	Tire Size, Rear			7.00 x 12 - 14 Ply	
M	35	Wheelbase	in (mm)		72 (1830)	
S		Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)		5.9 (151)	
TIRES & WHEELS	38	Ground Clearance, Center of Wheelbase NL	in (mm)		7.6 (194)	
旦	39	Service Brake - Method of Control/Operation			Foot/Hydraulic	
	40	Parking Brake - Method of Control/Operation			Hand/Mechanical	
	41	Battery Type	,		Maintenance Free	10/000
1	42	Volts/Cold Cranking Amps	v/cca	12/		12/900
√€	_	Engine, Manufacturer/Model	hm (140	Kubota 3.8l		Kubota V3800 T4 Final
Œ	44	Permanent Output Torque @ Reted RPM	hp (kW)	69(52) @ 1800RPM	65(48) @ 1800RPM	74(55) @ 2200RPM
Ü		Torque @ Rated RPM	ft/lbs (kg/m)	207(280) @1200RPM	189(256) @1400RPM	228(309) @1400RPM
POWERTRAIN	46	Number of Cylinders/Displacement	No/cc (ci)		4/3769 (230)	
_	40	Standard Speeds, Forward/Reverse	ggl (liter)		1/1	
	_	Hydraulic Tank - capacity (drain & refill) Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)		13.5 (51.0) 20.9 (79)	
	50 51	Auxiliary Hydraulic Pressure Relief for Attachments	gal (liter) PSI (Mpa)		20.9 (79)	
	ΔI	Auxiliary Tryuraulic Fressure nellel für Attachments	roi (ivipa)		2200 (10.0)	

<sup>†</sup> NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Specification Sheet.

Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale Dealer.

†† Limited by traction. For further information on this dimension, please contact your local Yale dealer.

## **GP090VX** specifications

Post   Power Type			Manufachusu Nome	I	Ve	la .
Engine		<u></u>	Manufacturer Name			
Bated Capacity   Bo (kg)   9000 (4090)		_4				
		2	<u>-</u>	lh (ka)		
Step Height   True	₽	<u> </u>				· · · · · · · · · · · · · · · · · · ·
Step Height   True	貿	-7		(11111)	,	
To Step Neight   Since Neight   Si	믕	=	• • • • • • • • • • • • • • • • • • • •			
Time Type - Cushion, Solid, Pneumatic   Pneumatic   Pneumatic   Variety		7		in (mm)		
Wheels, Number - Front/ Rear		8		()		· /
Uth Height, Standard Mart - Free Lift (LFL) with LBR (TOP)		=		X driven		
11		_	•			
Uth Heights, Optional Full Free Lift (FFL) with LBR (TOF)   In (mm)   36 (924)		_	• • • • • • • • • • • • • • • • • • • •	` '	·	
Forks, Thickness x Width x Length   In (mm)   2 x 5 x 48 (50 x 125 x 1219)			Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	36 (	924)
Fork Sprmad, Outside Dimensions		12	Standard Carriage Width	in (mm)	48 (1	219)
Mast IIIt Angles, Forward/Backward   degrees   6:10		13		in (mm)	2 X 5 X 48 (50	X 125 X 1219)
1		14	Fork Spread, Outside Dimensions	in (mm)	43.5 (	1106)
Toveral Width, Standard Tread		15	Mast Tilt Angles, Forward/Backward	degrees	6/	10
Height, Standard Mast - Extended without LBR	Ş			in (mm)	117.2	(2977)
Height, Standard Mast - Extended without LBR	<u> </u>	17	Overall Width, Standard Tread	in (mm)	55.2 (	1402)
Height, Standard Mast - Extended without LBR	常			` '		
Height, Standard Mast - Extended without LBR	Σ	_	<u> </u>	` '	•	
Height, Standard Overhead Guard   in (mm)   89 (2260)	D	19		` '		•
Height, Oyriboal Overhead Guard   in (mm)   87 (2193)		a.	<i>5 :</i>	` '	·	
Height, Overhead Guard with Operator Cab   in (mm)   90 (2281)		20	-	` '		
21   Turning Radius, Minimum Outside (OTR)   in (mm)   103.1 (2619)				` '	·	
22   Length, Center of Wheel to Face of Forks   in (mm)   20.6 (523)		21	• .	` '	•	
23 Aisle Width, Right Angle Stack (Add Length of Load)   in (mm)   124.7 (3168)     24		_	, , ,	` '		
24   Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)   in (mm)   9.16 (2325)     25   Travel Speed RL/NL   1-Speed   mph (km/h)   12.2/12.8 (19.6/20.6)     26   Irit Speed, Standard 2-Stage LFL RL/NL   ft/min (m/s)   12.1/25 (61.63)     Lift Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   108/111 (547.56)     Lift Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   113/117 (577.59)     Lift Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   108/111 (547.56)     Lift Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   108/93 (557.47)     Lowering Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   89.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   89.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   89.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   104/87 (537.44)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 3-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   98.71 (50.36)     Lowering Speed, Optional 2-Stage FFL RL/NL   ft/min (m/s)   ft/min (m/s)   ft/m		_	· ·	` '		` /
25   Travel Speed RL/NL		=		` '		
2-Speed mph (km/h) 15.6/16 (25.1/25.7)  26 Lift Speed, Standard 2-Stage LFL RL/NL ft/min (m/s) 121/125 (61/.63)  Lift Speed, Optional 2-Stage FFL RL/NL ft/min (m/s) 108/111 (54/.56)  Lift Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 113/117 (57/.59)  Lift Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 108/111 (54/.56)  Lowering Speed, Standard 2-Stage LFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 104/87 (.53/.44)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  Lowering Speed, Optional 3-Stage FFL RL/NL ft/min (m/s) 98/71 (50/.36)  2-Speed Ib (kg) 5882/3348 (276/1519)  Drawbar Pull @ 1 mph RL/NL 1-Speed Ib (kg) 5882/3348 (276/1519)  2-Speed Ib (kg) 5965/3348 (2706/1519)  2-Speed % 27/25  Gradeability RL/NL 1 1-Speed % 27/25  Gradeability RL/NL 1 1-Speed % 27/25  31 Weight, Standard Truck (Standard 2-Stg. LFL) NL Ib (kg) 13920 (6314) 14118 (6404)  Weight, Standard Truck (Standard 2-Stg. LFL) RL Ib (kg) 22920 (10396) 23118 (10486)  32 Akte Loading, Static Front/Rear RL Ib (kg) 20150/2770 (9140/1256) 20229/2889 (9176/1310)  33 Tire Size, Front 250 (10396) 23118 (10486)  34 Tire Size, Rear Pront NL (with RL subtract -6mm) In (mm) 72 (1830)  35 Wheelbase in (mm) 72 (1830)  36 Ground Clearance, Center of Wheelbase NL In (mm) 72 (1830)  37 Ground Clearance, Center of Wheelbase NL In (mm) 74 (194)  39 Service Brake - Method of Control/Operation Hand/Mechanical  40 Parking Brake - Method of Control/Operation Hand/Mechanical  41 Battery Type Parking Rake - Method of Control/Operation Hand/Mechanical  41 Battery Type Parking Rake - Method of Control/Operation Hand/Mechanical  41 Battery Type Par		=				
20		27	·			
Lift Speed, Optional 2-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lowering Speed, Standard 2-Stage LFL RL/NL Lowering Speed, Optional 2-Stage FFL RL/NL Lowering Speed, Optional 3-Stage FFL RL/NL Lowering Speed, Speed Lowering Speed Lowering Speed, Speed Lowering Speed Lowering Speed, Speed Lowering Speed, Speed Lowering Speed L		26		. , , ,	,	
Lift Speed, Optional 3-Stage FFL RL/NL		LV		` '		
27   Lowering Speed, Standard 2-Stage FFL RL/NL   tr/min (m/s)   108/93 (.55/.47)   Lowering Speed, Optional 2-Stage FFL RL/NL   tr/min (m/s)   98/71 (.50/.36)   98/71 (.50/.36)   104/87 (.53/.44)   10						
Drawbar Pull   Draw	뿡	27				
Drawbar Pull   Draw	Į					
Drawbar Pull   Draw	Σ		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	104/87	(.53/.44)
Drawbar Pull   Draw	ᇛ	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	5882/3348	(2668/1519)
Drawbar Pull   Primit RUNL   1-Speed   1b (kg)   5965/3348 (2706/1519)	8		2-Speed	lb (kg)	7089/3348	(3216/1519)
29   Max Gradeability RL/NL   1-Speed   9%   33/25	1-		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)		
2-Speed			·	lb (kg)	5965/3348	(2706/1519)
Gradeability @ 1 mph RL/NL †† 1-Speed		29				
2-Speed						
31   Weight, Standard Truck (Standard 2-Stg. LFL) NL   Ib (kg)   13920 (6314)   14118 (6404)			, ,			
Weight, Standard Truck (Standard 2-Stg. LFL) RL   Ib (kg)   22920 (10396)   23118 (10486)		0				
Sample   S		31				` '
Axle Loading, Static Front/Rear RL   Ib (kg)   20150/2770 (9140/1256)   20229/2889 (9176/1310)	Ę	20	· · · · · · · · · · · · · · · · · · ·			
Size   Front   250 x 15 - 20 Ply   Tire Size, Rear   7.00 x 12 - 14 Ply		32				
34   Tire Size, Rear   7.00 x 12 - 14 Ply     35   Wheelbase   in (mm)   72 (1830)     37   Ground Clearance, Lowest Point NL (with RL subtract -6mm)   in (mm)   5.9 (151)     38   Ground Clearance, Center of Wheelbase NL   in (mm)   7.6 (194)     39   Service Brake - Method of Control/Operation   Foot/Hydraulic     40   Parking Brake - Method of Control/Operation   Hand/Mechanical     41   Battery Type   Maintenance Free     42   Volts/Cold Cranking Amps   V/cca   12/475     43   Engine, Manufacturer/Model   PSI 4.3L V6   Kubota WG3800 LPG     44   Permanent Output   hp (kW)   74(55) @ 1800RPM     45   Torque @ Rated RPM   ft/lbs (kg/m)   210(285) @1800RPM   221(300) @1000RPM     46   Number of Cylinders/Displacement   No/cc (ci)   6/4302 (263)   4/3769 (230)     49   Hydraulic Tank - capacity (drain & refill)   gal (liter)   13.5 (51.0)	(0	22		ib (kg)		, ,
August   A	岜	34				
August   A				in (mm)		
August   A	× ×					
40   Parking Brake - Method of Control/Operation   Hand/Mechanical     41   Battery Type   Maintenance Free     42   Volts/Cold Cranking Amps   V/cca   12/475     43   Engine, Manufacturer/Model   PSI 4.3L V6   Kubota WG3800 LPG     44   Permanent Output   hp (kW)   74(55) @ 1800RPM     45   Torque @ Rated RPM   ft/lbs (kg/m)   210(285) @1800RPM   221(300) @1000RPM     46   Number of Cylinders/Displacement   No/cc (ci)   6/4302 (263)   4/3769 (230)     5   Standard Speeds, Forward/Reverse   1/1     49   Hydraulic Tank - capacity (drain & refill)   gal (liter)   13.5 (51.0)	83		, , ,			,
August   A	H		•	()		
A   Battery Type					·	
Volts/Cold Cranking Amps   V/cca   12/475		_				
Engine, Manufacturer/Model   PSI 4.3L V6   Kubota WG3800 LPG		_	, ,,	v/cca		
44   Permanent Output   hp (kW)   74(55) @ 1800RPM	2					
49 Hydraulic Tank - capacity (drain & refill) gal (liter) 13.5 (51.0)	₩		<u> </u>	hp (kW)		
49 Hydraulic Tank - capacity (drain & refill) gal (liter) 13.5 (51.0)						221(300) @1000RPM
49 Hydraulic Tank - capacity (drain & refill) gal (liter) 13.5 (51.0)	×		Number of Cylinders/Displacement			
	8		Standard Speeds, Forward/Reverse		1,	/1
FO Final Tank Conneity (Con 9 Discal Only)		49	Hydraulic Tank - capacity (drain & refill)	gal (liter)		
		50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	N.	/A
51 Auxiliary Hydraulic Pressure Relief for Attachments PSI (Mpa) 2250 (15.5)		51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250	(15.5)

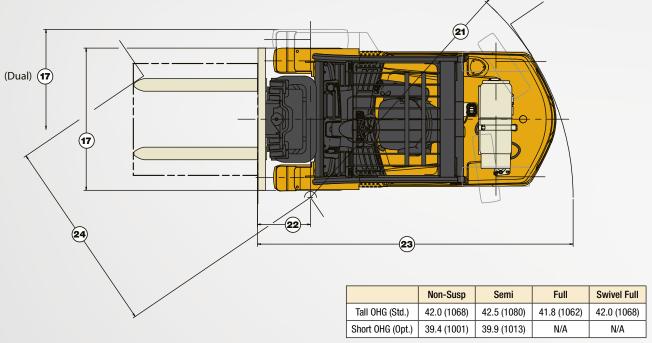
## **GP090VX** specifications

		<b>_</b>	, ,				
	<b>1</b>	Manufacturer Name			Yale		
	2	Model			GP090VX		
		Engine		Kuhota 3 8	BL Dual Fuel	Kubota 3.8L DSL	
			Un (lon)	Rubota 3.0		Rubota 3.0E DOE	
I₹	3	Rated Capacity	lb (kg)		9000 (4090)		
GENERAL	4	Load Center, Distance	in (mm)		24 (610)		
Ħ	5	Power Type		LPG	Gasoline	Diesel	
명	6	Operator Type			Sit-Down Rider		
	=	•	:- ()				
	7	Step Height	in (mm)		17.4 (441)		
	8	Tire Type - Cushion, Solid, Pneumatic			Pneumatic		
	9	Wheels, Number - Front/ Rear	X driven		2x/2		
	10	Lift Height, Top of Fork (TOF)	in (mm)		120 (3050)		
	_	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	` '		• , ,		
	<u> </u>		in (mm)		4 (100)		
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)		36 (924)		
	12	Standard Carriage Width	in (mm)		48 (1219)		
	13	Forks, Thickness x Width x Length	in (mm)		2 X 5 X 48 (50 X 125 X 1219	)	
	14	Fork Spread, Outside Dimensions	` '			<i>1</i>	
			in (mm)		43.5 (1106)		
	15	Mast Tilt Angles, Forward/Backward	degrees		6/10		
$\overline{\mathbf{c}}$	16	Length To Face of Forks	in (mm)		117.2 (2977)		
6	17	Overall Width, Standard Tread	in (mm)		55.2 (1402)		
S	۳	Overall Width, Wide Tread	` '		58.5 (1485)		
后		· · · · · · · · · · · · · · · · · · ·	in (mm)		· /		
DIMENSIONS		Height, Standard Mast - Lowered	in (mm)		86 (2171)		
Ω	19	Height, Standard Mast - Extended with LBR	in (mm)		170 (4297)		
		Height, Standard Mast - Extended without LBR	in (mm)		151 (3815)		
	20	Height, Standard Overhead Guard	in (mm)		89 (2260)		
	-20	<u> </u>	` '		` /		
		Height, Optional Overhead Guard	in (mm)		87 (2193)		
		Height, Overhead Guard with Operator Cab	in (mm)		90 (2281)		
	21	Turning Radius, Minimum Outside (OTR)	in (mm)		103.1 (2619)		
	22	Length, Center of Wheel to Face of Forks	in (mm)		20.6 (523)		
	_		` '		` '		
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)		124.7 (3168)		
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)		91.6 (2325)		
	25	Travel Speed RL/NL 1-Speed	mph (km/h)		12.2/12.8 (19.6/20.6)		
		2-Speed	mph (km/h)		15.6/16 (25.1/25.7)		
	26	Lift Speed, Standard 2-Stage LFL RL/NL				-	
	20		ft/min (m/s)		121/125 (.61/.63)		
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		108/111 (.54/.56)		
+		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		113/117 (.57/.59)		
PERFORMANCE	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		108/93 (.55/.47)		
Z		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		98/71 (.50/.36)		
₹			` '		· , , , , , , , , , , , , , , , , , , ,		
<u>~</u>		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		104/87 (.53/.44)		
윤	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	5742/3348 (2605/1519)	5646/3348 (2561/1519)	5937/3348 (2693/1519)	
毌		2-Speed	lb (kg)	6923/3348 (3140/1519)	6808/3348 (3088/1519)	7156/3348 (3246/1519)	
Ы		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	4926/3348 (2235/1519)	4848/3348 (2199/1519)	5085/3348 (2307/1519)	
		2-Speed		5834/3348 (2646/1519)	5744/3348 (2605/1519)	6017/3348 (2729/1519)	
	00		lb (kg)				
	29	Max Gradeability RL/NL <sup>††</sup> 1-Speed	%	26/25	25/25	27/25	
		2-Speed	%	32/25	31/25	33/25	
	آلي	Gradeability @ 1 mph RL/NL <sup>††</sup> 1-Speed	%	22/25	22/25	23/25	
		2-Speed	%	26/25	26/25	27/25	
	24	•		LUILU		LITES	
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)		14118 (6404)		
WT.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)		23118 (10486)		
S	32	Axle Loading, Static Front/Rear NL	lb (kg)		8420/5698 (3819/2585)		
		Axle Loading, Static Front/Rear RL	lb (kg)		20229/2889 (9176/1310)		
(0	22	Tire Size, Front	(9)				
H	33	<u> </u>		250 x 15 - 20 Ply			
	34	Tire Size, Rear		7.00 x 12 - 14 Ply			
₹	35	Wheelbase	in (mm)	m) 72 (1830)			
ంఠ	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)			-	
TIRES & WHEELS	38	Ground Clearance, Center of Wheelbase NL	in (mm)				
¥	=	·	(11111)				
	39	Service Brake - Method of Control/Operation			Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation			Hand/Mechanical		
	41	Battery Type			Maintenance Free		
	42	Volts/Cold Cranking Amps	v/cca	12/	/475	12/900	
7	43	Engine, Manufacturer/Model	.,		BL Dual Fuel	Kubota V3800 T4 Final	
₹	_		L 0.100				
£	44	Permanent Output	hp (kW)	69(52) @ 1800RPM	65(48) @ 1800RPM	74(55) @ 2200RPM	
共	45	Torque @ Rated RPM	ft/lbs (kg/m)	207(280) @1200RPM	189(256) @1400RPM	228(309) @1400RPM	
POWERTRAIN	46	Number of Cylinders/Displacement	No/cc (ci)		4/3769 (230)		
Ó		Standard Speeds, Forward/Reverse	(3.1)		1/1		
	40		and (liter)				
		Hydraulic Tank - capacity (drain & refill)	gal (liter)		13.5 (51.0)		
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)		20.9 (79)		
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)		2250 (15.5)		
	$\overline{}$						

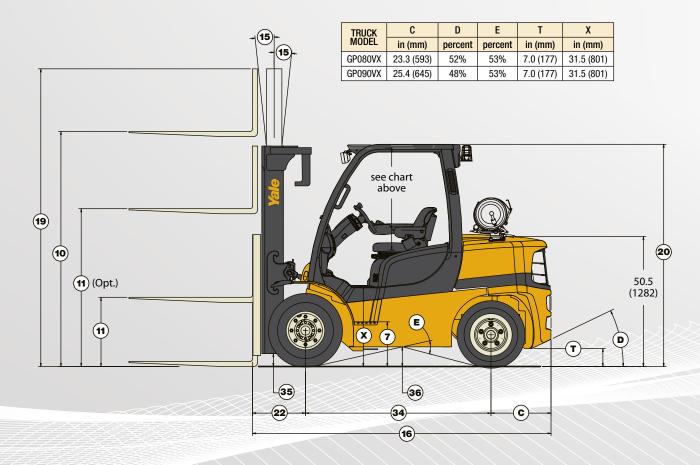
<sup>†</sup> NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Specification Sheet. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale Dealer. †† Limited by traction. For further information on this dimension, please contact your local Yale dealer.

### **GP080-090VX**

### specifications

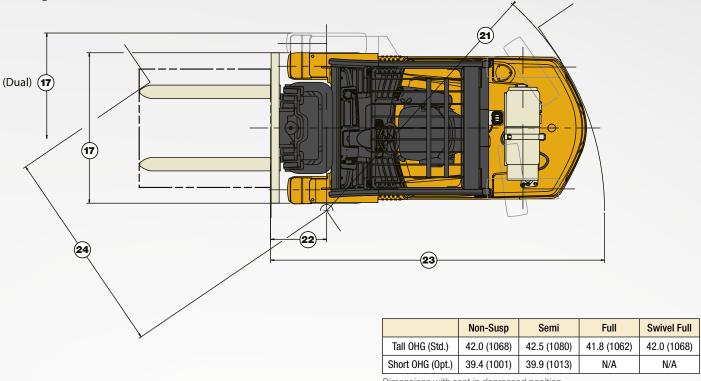


Dimensions with seat in depressed position.

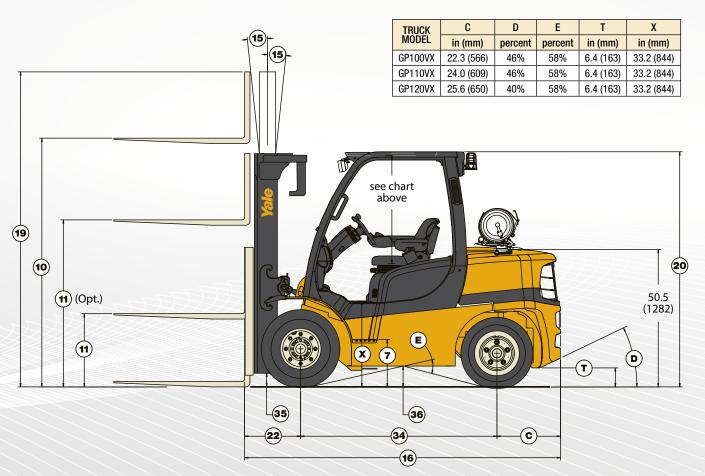


### **GP100-120VX**





Dimensions with seat in depressed position.



## **GP100VX** specifications

		•			
		Manufacturer Name		Ya	
	2	Model		GP10	
		Engine		PSI 4.3L	Kubota 3.8L LPG
₽	3	Rated Capacity	lb (kg)	10000	(4536)
#	4	Load Center, Distance	in (mm)	24 (	610)
GENERAL	5	Power Type		LF	PG
9	6	Operator Type		Sit-Dow	n Rider
	7	Step Height	in (mm)	19.1	(484)
	8	Tire Type - Cushion, Solid, Pneumatic		Pneu	matic
	9	Wheels, Number - Front/ Rear	X driven	2x	/2
	10	Lift Height, Top of Fork (TOF)	in (mm)	109 (	2790)
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (1	00)
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (	940)
	12	Standard Carriage Width	in (mm)	54 (1	372)
	13	Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50	X 150 X 1219)
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (	1262)
	15	Mast Tilt Angles, Forward/Backward	degrees	6/	10
S	16	Length To Face of Forks	in (mm)	127.8	(3247)
ē	17	Overall Width, Standard Tread	in (mm)	57.1	(1450)
SS		Overall Width, Wide Tread	in (mm)	62.0	1575
DIMENSIONS	18	Height, Standard Mast - Lowered	in (mm)	88 (2	214)
	19	Height, Standard Mast - Extended with LBR	in (mm)	160 (	4064)
		Height, Standard Mast - Extended without LBR	in (mm)	147 (	3730)
	20	Height, Standard Overhead Guard	in (mm)	91 (2	302)
		Height, Optional Overhead Guard	in (mm)	88 (2	235)
		Height, Overhead Guard with Operator Cab	in (mm)	92 (2	323)
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	111.7	(2837)
	22	Length, Center of Wheel to Face of Forks	in (mm)	22.9	(581)
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	134.8	(3425)
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)	96.6 (	. ,
	25	Travel Speed RL/NL 1-Speed	mph (km/h)	11.3/11.7	
		2-Speed	mph (km/h)	14.4/14.8	`
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	98/102	(.50/.51)
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (	46/.48)
+		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	95/98 (	48/.49)
믱	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	100/83	(.51/.42)
PERFORMANCE		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	89/63 (	45/.32)
₹		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (	47/.39)
윤	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	6914/3986 (3136/1808)	6926/3986 (3142/1808)
Ħ		2-Speed	lb (kg)	8325/3986 (3776/1808)	8339/3986 (3782/1808)
		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5809/3986 (2635/1808)	5834/3986 (2646/1808)
		2-Speed	lb (kg)	6834/3986 (3100/1808)	6862/3986 (3113/1808)
	29	Max Gradeability RL/NL <sup>††</sup> 1-Speed	%	29/28	29/28
		2-Speed	%	35/28	36/28
		Gradeability @ 1 mph RL/NL ** 1-Speed	%	24/28	24/28
	21	2-Speed	%	29/28	29/28
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	14910 (6763)	15108 (6853)
W.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	24910 (11299)	25108 (11389)
	32	Axle Loading, Static Front/Rear NL	lb (kg)	6642/8268 (3013/3750)	6721/8387 (3049/3804)
	20	Axle Loading, Static Front/Rear RL	lb (kg)	22312/2598 (10121/1178)	22391/2717 (10156/1232)
TIRES & WHEELS	33	Tire Size, Front		300 x 15	
H	34	Tire Size, Rear		7.00 x 12	
×	35	Wheelbase	in (mm)	82.7	
SS	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (	
ä	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (	
므	39	Service Brake - Method of Control/Operation		Foot/Hy	
	_	Parking Brake - Method of Control/Operation		Hand/Me	
	41	Battery Type		Maintena	
	42	Volts/Cold Cranking Amps	v/cca	12/	
	43	Engine, Manufacturer/Model		PSI 4.3L V6	Kubota WG3800 LPG
I E	44	Permanent Output	hp (kW)	88(66) @ 2200RPM	86(64) @ 2200RPM
3	45	Torque @ Rated RPM	ft/lbs (kg/m)	210(285) @2200RPM	221(300) @1000RPM
POWERTRAIN	46	Number of Cylinders/Displacement	No/cc (ci)	6/4302 (263)	4/3769 (230)
P	40	Standard Speeds, Forward/Reverse	- 1.00	1,	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)	17.9	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	N.	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250	(15.5)

## **GP100VX** specifications

Model   GPTOWX   Figure   Brade Capacity			Manufacturer Name			Yale	
Further   Furt							
Red Capacity					Kubota 3.8		Kubota 3.8L DSL
Load Content, Distance   In (mm)		3	•	lb (ka)			
Sep	₽	4					
Sep	ä	5	,		LPG	· · · · · · · · · · · · · · · · · · ·	Diesel
To Spee Cubino, Solid, Pneumatic   In (mm)   19.1 (484)	쁑		•		-		
3   Tire Type - Custrion, Solid, Presumatic			, ,,	in (mm)			
10   H. Height, Top of Fork (TOF)   In (mm)   109 (2790)		8	Tire Type - Cushion, Solid, Pneumatic	, ,			
Till Hirlegins, Standard Limited Free Lift (FL) with LBR (TOP)   In (mm)   37 (940)		9	Wheels, Number - Front/ Rear	X driven		2x/2	
Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)   In (mm)		10	Lift Height, Top of Fork (TOF)	in (mm)		109 (2790)	
Sandard Carriage Width x Length   in (mm)   3 x 6 x 8 (g 0 x 150 x 1219)		11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)		4 (100)	
14   Forks, Princiskness x Width x Length   In (mm)				in (mm)		37 (940)	
15   Mast Till Angles, Forward Disabackward   degrees   6/10		12	Standard Carriage Width	in (mm)		54 (1372)	
15   Mast Till Angles, Forward Disabackward   degrees   6/10		13	Forks, Thickness x Width x Length	in (mm)	2	2 X 6 X 48 (50 X 150 X 1219)	
Emgth To Fasce of Forks		14	Fork Spread, Outside Dimensions	in (mm)		49.7 (1262)	
Overall Width, Standard Tread		15	Mast Tilt Angles, Forward/Backward	degrees		6/10	
Overall Width, Standard Tread	ত	16	Length To Face of Forks	in (mm)		127.8 (3247)	
Height, Standard Overhead Guard	Ó	17	Overall Width, Standard Tread	in (mm)			
Height, Standard Overhead Guard	NS		•	·			
Height, Standard Overhead Guard	¥			· , ,		88 (2214)	
Height, Standard Mast - Extended without LBR		19	Height, Standard Mast - Extended with LBR	in (mm)		160 (4064)	
Height, Optional Overhead Guard with Operator Cab   In (mm)   92 (2323)				in (mm)		147 (3730)	
Height, Overhead Guard with Operator Cab		20	Height, Standard Overhead Guard	in (mm)		91 (2302)	
Height, Overhead Guard with Operator Cab			<u> </u>	` /			
Turning Radius, Minimum Outside (OTR)   In (mm)   111.7 (2837)			•	` ′			
23   Alsie Width, Right Angle Stack (Add Length of Load)   in (mm)   9.6.6 (2452)		21	Turning Radius, Minimum Outside (OTR)	in (mm)		111.7 (2837)	
Equal Alsice, 90-Degree Intersecting Alsie (48" LX 40" W Load)   in (mm)   96.6 (2482)		22	Length, Center of Wheel to Face of Forks	in (mm)		22.9 (581)	
2   Equal Alsle, 90-Degree Intersecting Alsle (48" LX 40" W Load)   in (mm)		23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)		134.8 (3425)	
2-Speed		24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)			96.6 (2452)	
25		25	Travel Speed RL/NL 1-Speed	mph (km/h)		11.3/11.7 (18.1/18.9)	
Lift Speed, Optional 2-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lowering Speed, Standard 2-Stage FFL RL/NL Lowering Speed, Optional 3-Stage FFL RL/NL Lowering Speed S			2-Speed	mph (km/h)		14.4/14.8 (23.2/23.7)	
Lift Speed, Optional 2-Stage FFL RL/NL Lift Speed, Optional 3-Stage FFL RL/NL Lowering Speed, Standard 2-Stage FFL RL/NL Lowering Speed, Optional 3-Stage FFL RL/NL Lowering Speed S		26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		98/102 (.50/.51)	
27   Lowering Speed, Standard 2-Stage LFL RL/NL   ft/min (m/s)   100/83 (.51/.42)   Lowering Speed, Optional 2-Stage FFR LR/NL   ft/min (m/s)   89/63 (.45/.32)   Lowering Speed, Optional 2-Stage FFR LR/NL   ft/min (m/s)   97/77 (.47/.39)				ft/min (m/s)		92/95 (.46/.48)	
1	+		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		95/98 (.48/.49)	
1	뿡	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		100/83 (.51/.42)	
1	¥			ft/min (m/s)		89/63 (.45/.32)	
1	Ž		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		97/77 (.47/.39)	
1	휸	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	6546/3986 (2969/1808)	6323/3986 (2868/1808)	6405/3986 (2905/1808)
1	æ		2-Speed	lb (kg)	7885/3986 (3577/1808)	7618/3986 (3456/1808)	7716/3986 (3500/1808)
29 Max Gradeability RL/NL   1 - Speed   %   27/28   26/28   27/28   33/28   33/28   33/28   33/28   33/28   32/28   33/28   32/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   22/28   26/28	Д		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5518/3986 (2503/1808)	5341/3986 (2422/1808)	5405/3986 (2452/1808)
Comparison			2-Speed	lb (kg)	6500/3986 (2948/1808)	6297/3986 (2856/1808)	6371/3986 (2890/1808)
Gradeability @ 1 mph RL/NL ** 1-Speed		29	Max Gradeability RL/NL <sup>††</sup> 1-Speed	%	27/28	26/28	27/28
2-Speed			2-Speed		33/28	32/28	33/28
31   Weight, Standard Truck (Standard 2-Stg. LFL) NL   Ib (kg)   15108 (6853)							
Weight, Standard Truck (Standard 2-Stg. LFL) RL   Ib (kg)   25108 (11389)			·	%	27/28	26/28	26/28
32   Axle Loading, Static Front/Rear NL   Ib (kg)   6721/8387 (3049/3804)     Axle Loading, Static Front/Rear RL   Ib (kg)   22391/2717 (10156/1232)     33   Tire Size, Front   300 x 15 - 20 Ply     34   Tire Size, Rear   7.00 x 12 - 14 Ply     35   Wheelbase   in (mm)   82.7 (2100)     36   Ground Clearance, Lowest Point NL (with RL subtract -6mm)   in (mm)   6.4 (163)     37   Ground Clearance, Center of Wheelbase NL   in (mm)   9.3 (237)     39   Service Brake - Method of Control/Operation   Foot/Hydraulic     40   Parking Brake - Method of Control/Operation   Hand/Mechanical     41   Battery Type   Maintenance Free     42   Volts/Cold Cranking Amps   v/cca   12/475   12/900     43   Engine, Manufacturer/Model   Kubota 3.8L Dual Fuel   Kubota V3800 T4 Final     44   Permanent Output   hp (kW)   82(61) @ 2200RPM   78(58) @ 2200RPM   74(55) @ 2200RPM     45   Torque @ Rated RPM   ft/lbs (kg/m)   207(280) @1200RPM   189(256) @1400RPM   228(309) @1400RPM     46   Number of Cylinders/Displacement   No/cc (ci)   4/3769 (230)     47   Standard Speeds, Forward/Reverse   1/1     49   Hydraulic Tank - capacity (drain & refill)   gal (liter)   17.9 (67.8)     50   Fuel Tank Capacity (Gas & Diesel Only)   gal (liter)   26.5 (100.3)		31		lb (kg)			
Axle Loading, Static Front/Rear RL    By	19			lb (kg)		25108 (11389)	
Axle Loading, Static Front/Rear RL   Ib (kg)   22391/2717 (10156/1232)	≶	32	Axle Loading, Static Front/Rear NL	lb (kg)		6721/8387 (3049/3804)	
34   Tire Size, Rear   7.00 x 12 - 14 Ply			Axle Loading, Static Front/Rear RL			22391/2717 (10156/1232)	
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Number of Cylinders/Displacement 48 Hydraulic Tank - capacity (drain & refill) 49 Hydraulic Tank - capacity (Gas & Diesel Only) 40 Parking Brake - Method of Control/Operation 41 Hand/Mechanical 42 Maintenance Free 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 Torque @ Rated RPM 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Diese Torque @ Rated RPM 52 (Gas & Diesel Only) 53 Diese Torque @ Rated RPM 54 (Gas & Diesel Only) 55 Diese Torque @ Rated RPM 55 (Gas & Diesel Only) 56 (Gas & Diesel Only) 57 (Gas & Diesel Only) 58 (Gas & Diesel Only) 59 (Gas & Diesel Only) 50 (Gas & Diesel Only) 51 (Gas & D	လ		Tire Size, Front				
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Number of Cylinders/Displacement 48 Hydraulic Tank - capacity (drain & refill) 49 Hydraulic Tank - capacity (Gas & Diesel Only) 40 Parking Brake - Method of Control/Operation 41 Hand/Mechanical 42 Maintenance Free 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 Torque @ Rated RPM 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Diese Torque @ Rated RPM 52 (Gas & Diesel Only) 53 Diese Torque @ Rated RPM 54 (Gas & Diesel Only) 55 Diese Torque @ Rated RPM 55 (Gas & Diesel Only) 56 (Gas & Diesel Only) 57 (Gas & Diesel Only) 58 (Gas & Diesel Only) 59 (Gas & Diesel Only) 50 (Gas & Diesel Only) 51 (Gas & D	Ŧ	34	Tire Size, Rear		<u> </u>		
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Number of Cylinders/Displacement 48 Hydraulic Tank - capacity (drain & refill) 49 Hydraulic Tank - capacity (Gas & Diesel Only) 40 Parking Brake - Method of Control/Operation 41 Hand/Mechanical 42 Maintenance Free 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 Torque @ Rated RPM 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Diese Torque @ Rated RPM 52 (Gas & Diesel Only) 53 Diese Torque @ Rated RPM 54 (Gas & Diesel Only) 55 Diese Torque @ Rated RPM 55 (Gas & Diesel Only) 56 (Gas & Diesel Only) 57 (Gas & Diesel Only) 58 (Gas & Diesel Only) 59 (Gas & Diesel Only) 50 (Gas & Diesel Only) 51 (Gas & D	¥			in (mm)			
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Number of Cylinders/Displacement 48 Hydraulic Tank - capacity (drain & refill) 49 Hydraulic Tank - capacity (Gas & Diesel Only) 40 Parking Brake - Method of Control/Operation 41 Hand/Mechanical 42 Maintenance Free 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 Torque @ Rated RPM 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Diese Torque @ Rated RPM 52 (Gas & Diesel Only) 53 Diese Torque @ Rated RPM 54 (Gas & Diesel Only) 55 Diese Torque @ Rated RPM 55 (Gas & Diesel Only) 56 (Gas & Diesel Only) 57 (Gas & Diesel Only) 58 (Gas & Diesel Only) 59 (Gas & Diesel Only) 50 (Gas & Diesel Only) 51 (Gas & D	ంర	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)			
40 Parking Brake - Method of Control/Operation 41 Battery Type 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 Number of Cylinders/Displacement 48 Hydraulic Tank - capacity (drain & refill) 49 Hydraulic Tank - capacity (Gas & Diesel Only) 40 Parking Brake - Method of Control/Operation 41 Hand/Mechanical 42 Maintenance Free 42 Volts/Cold Cranking Amps 43 Engine, Manufacturer/Model 44 Permanent Output 45 Torque @ Rated RPM 46 Number of Cylinders/Displacement 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 No/cc (ci) 47 Torque @ Rated RPM 48 Number of Cylinders/Displacement 49 Hydraulic Tank - capacity (drain & refill) 50 Fuel Tank Capacity (Gas & Diesel Only) 51 Diese Torque @ Rated RPM 52 (Gas & Diesel Only) 53 Diese Torque @ Rated RPM 54 (Gas & Diesel Only) 55 Diese Torque @ Rated RPM 55 (Gas & Diesel Only) 56 (Gas & Diesel Only) 57 (Gas & Diesel Only) 58 (Gas & Diesel Only) 59 (Gas & Diesel Only) 50 (Gas & Diesel Only) 51 (Gas & D	<b>H</b>	38		in (mm)			
Parking Brake - Method of Control/Operation		39	Service Brake - Method of Control/Operation			Foot/Hydraulic	
42         Volts/Cold Cranking Amps         v/cca         12/475         12/900           43         Engine, Manufacturer/Model         Kubota 3.8L Dual Fuel         Kubota V3800 T4 Final           44         Permanent Output         hp (kW)         82(61) @ 2200RPM         78(58) @ 2200RPM         74(55) @ 2200RPM           45         Torque @ Rated RPM         ft/lbs (kg/m)         207(280) @1200RPM         189(256) @1400RPM         228(309) @1400RPM           46         Number of Cylinders/Displacement         No/cc (ci)         4/3769 (230)           Standard Speeds, Forward/Reverse         1/1           49         Hydraulic Tank - capacity (drain & refill)         gal (liter)         17.9 (67.8)           50         Fuel Tank Capacity (Gas & Diesel Only)         gal (liter)         26.5 (100.3)		40	Parking Brake - Method of Control/Operation				
Engine, Manufacturer/Model   Kubota 3.8L Dual Fuel   Kubota V3800 T4 Final		41					
Permanent Output	4	42	Volts/Cold Cranking Amps	v/cca	12/-	475	12/900
49Hydraulic Tank - capacity (drain & refill)gal (liter)17.9 (67.8)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)26.5 (100.3)	2	43	Engine, Manufacturer/Model		Kubota 3.8	L Dual Fuel	Kubota V3800 T4 Final
49Hydraulic Tank - capacity (drain & refill)gal (liter)17.9 (67.8)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)26.5 (100.3)	₩	44	Permanent Output	hp (kW)	<b>W)</b> 82(61) @ 2200RPM 78(58) @ 2200RPM 74(55) @ 2200		74(55) @ 2200RPM
49Hydraulic Tank - capacity (drain & refill)gal (liter)17.9 (67.8)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)26.5 (100.3)	至	45	Torque @ Rated RPM	ft/lbs (kg/m)			228(309) @1400RPM
49Hydraulic Tank - capacity (drain & refill)gal (liter)17.9 (67.8)50Fuel Tank Capacity (Gas & Diesel Only)gal (liter)26.5 (100.3)	×	46	Number of Cylinders/Displacement	No/cc (ci)			
Fuel Tank Capacity (Gas & Diesel Only) gal (liter) 26.5 (100.3)	8		Standard Speeds, Forward/Reverse			1/1	
		49	Hydraulic Tank - capacity (drain & refill)	gal (liter)		17.9 (67.8)	
Auxiliary Hydraulic Pressure Relief for Attachments PSI (Mpa) 2250 (15.5)		50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)		26.5 (100.3)	
		51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)		2250 (15.5)	

<sup>†</sup> NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Specification Sheet. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale Dealer. Limited by traction. For further information on this dimension, please contact your local Yale dealer.

## **GP110VX** specifications

		Manufacturer Name			ıle
	2	Model			10VX
		Engine		PSI 4.3L	Kubota 3.8L LPG
Į	3	Rated Capacity	lb (kg)	11000	(4990)
品	4	Load Center, Distance	in (mm)	24 (	610)
GENERAL	5	Power Type		LF	PG .
5	6	Operator Type		Sit-Dow	n Rider
	7	Step Height	in (mm)	19.1	(484)
	8	Tire Type - Cushion, Solid, Pneumatic		Pneu	matic
	9	Wheels, Number - Front/ Rear	X driven	2>	:/2
	10	Lift Height, Top of Fork (TOF)	in (mm)	109 (	2790)
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (1	00)
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (	940)
	12	Standard Carriage Width	in (mm)	54 (1	372)
		Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50	
	14	·	in (mm)		1262)
	15		degrees		10
S	16		in (mm)		(3290)
18	17	Overall Width, Standard Tread	in (mm)	57.1	` '
ENSIONS		Overall Width, Wide Tread	in (mm)		(1575
鱼	18		in (mm)		(1373
	19		in (mm)	160 (	
أثنا	13	Height, Standard Mast - Extended with LBR	in (mm)	147 (	
	20	- ·	in (mm)	•	2302)
	20	Height, Optional Overhead Guard	in (mm)	,	2235)
		Height, Overhead Guard with Operator Cab	` '	92 (2	
	01	• •	in (mm)	•	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)		(2877)
	22	Length, Center of Wheel to Face of Forks	in (mm)		(581)
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)		(3465)
	24	1 , 0 , ,	in (mm)	97.3 (	•
	25	Travel Speed RL/NL 1-Speed	mph (km/h)	11.2/11.7	,
		2-Speed	mph (km/h)		(23/23.7)
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		(.50/.51)
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (	
t		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	,	.48/.49)
PERFORMANCE	27	<u> </u>	ft/min (m/s)	100/83	<u> </u>
I₹		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	,	.45/.32)
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (	
lξ	28		lb (kg)	6881/3900 (3121/1769)	6893/3900 (3127/1769)
Įψ		2-Speed	lb (kg)	8292/3900 (3761/1769)	8306/3900 (3768/1769)
		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5776/3900 (2620/1769)	5801/3900 (2631/1769)
		2-Speed	lb (kg)	6801/3900 (3085/1769)	6829/3900 (3098/1769)
	29	· '	%	27/26	27/26
		2-Speed	%	33/26	33/26
		Gradeability @ 1 mph RL/NL <sup>††</sup> 1-Speed	%	22/26	22/26
		2-Speed	%	26/26	27/26
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	15560 (7058)	15758 (7148)
M.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	26560 (12047)	26758 (12137)
5	32	Axle Loading, Static Front/Rear NL	lb (kg)	6499/9061 (2948/4110)	6578/9180 (2984/4164)
		Axle Loading, Static Front/Rear RL	lb (kg)	23735/2825 (10766/1281)	23814/2944 (10802/1335)
S	33	Tire Size, Front		300 x 15	- 20 Ply
TIRES & WHEELS	34	Tire Size, Rear			2 - 14 Ply
×	35	Wheelbase	in (mm)	82.7	(2100)
≪ ర	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (	163)
W.	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (	237)
	39	Service Brake - Method of Control/Operation		Foot/Hy	/draulic
	40	Parking Brake - Method of Control/Operation		Hand/Me	echanical
	41	Battery Type		Maintena	ince Free
	42	Volts/Cold Cranking Amps	v/cca	12/	475
Z	43	Engine, Manufacturer/Model		PSI 4.3L V6	Kubota WG3800 LPG
₽₩	44	Permanent Output	hp (kW)	88(66) @ 2200RPM	86(64) @ 2200RPM
	45	Torque @ Rated RPM	ft/lbs (kg/m)	210(285) @2200RPM	221(300) @1000RPM
POWERTRAIN	46	Number of Cylinders/Displacement	No/cc (ci)	6/4302 (263)	4/3769 (230)
0	Ť	Standard Speeds, Forward/Reverse	2. 22 (0.)	. ,	/1
	49		gal (liter)	17.9	
	50		gal (liter)		/A
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250	
	ΥU	Transmary Tryuraumo i roosuro monor for Attaurimiento	i oi (ivipa)	2230	(10.0)

## **GP110VX** specifications

		Manufacturer Name			Yale	
	2	Model			GP110VX	
		Engine		Kubota 3.8L Dual Fuel Kubota 3.8L DS		
	3	Rated Capacity	lb (kg)		11000 (4990)	
₽₩	4	Load Center, Distance	in (mm)		24 (610)	
GENERAL	5	Power Type	, ,	LPG	Gasoline	Diesel
떙	6	Operator Type			Sit-Down Rider	
	7	Step Height	in (mm)		19.1 (484)	
	8	Tire Type - Cushion, Solid, Pneumatic	<u> </u>		Pneumatic	
	9	Wheels, Number - Front/ Rear	X driven		2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm)		109 (2790)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)		4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)		37 (940)	
	12	Standard Carriage Width	in (mm)		54 (1372)	
	13	Forks, Thickness x Width x Length	in (mm)		2 X 6 X 48 (50 X 150 X 1219	)
	14	Fork Spread, Outside Dimensions	in (mm)		49.7 (1262)	
	15	Mast Tilt Angles, Forward/Backward	degrees		6/10	
$\overline{\mathbf{s}}$	16	Length To Face of Forks	in (mm)		129.5 (3290)	
16	17	Overall Width, Standard Tread	in (mm)		57.1 (1450)	
S		Overall Width, Wide Tread	in (mm)		62.0 (1575	
DIMENSIONS	18	Height, Standard Mast - Lowered	in (mm)		88 (2214)	
	19	Height, Standard Mast - Extended with LBR	in (mm)		160 (4064)	
	Ţ	Height, Standard Mast - Extended without LBR	in (mm)		147 (3730)	
	20	Height, Standard Overhead Guard	in (mm)		91 (2302)	
		Height, Optional Overhead Guard	in (mm)		88 (2235)	
		Height, Overhead Guard with Operator Cab	in (mm)		92 (2323)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)		113.3 (2877)	
	22	Length, Center of Wheel to Face of Forks	in (mm)		22.9 (581)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)		136.4 (3465)	
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)		97.3 (2472)	
	25	Travel Speed RL/NL 1-Speed	mph (km/h)		11.2/11.7 (18.1/18.9)	
		2-Speed	mph (km/h)		14.3/14.7 (23/23.7)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		98/102 (.50/.51)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		92/95 (.46/.48)	
_		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		95/98 (.48/.49)	
뿡	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		100/83 (.51/.42)	
PERFORMANCE		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		89/63 (.45/.32)	
Ş		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		97/77 (.47/.39)	
Ö	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	6513/3900 (2954/1769)	6290/3900 (2853/1769)	6372/3900 (2890/1769)
æ		2-Speed	lb (kg)	7852/3900 (3562/1769)	7585/3900 (3441/1769)	7683/3900 (3485/1769)
Д		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5485/3900 (2488/1769)	5308/3900 (2408/1769)	5372/3900 (2437/1769)
		2-Speed	lb (kg)	6467/3900 (2933/1769)	6264/3900 (2841/1769)	6338/3900 (2875/1769)
	29	Max Gradeability RL/NL <sup>††</sup> 1-Speed	%	25/26	24/26	25/26
		2-Speed	%	31/26	30/26	30/26
		Gradeability @ 1 mph RL/NL <sup>††</sup> 1-Speed	%	21/26	20/26	21/26
		2-Speed	%	25/26	24/26	25/26
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)		15758 (7148)	
WT.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)		26758 (12137)	
≥	32	Axle Loading, Static Front/Rear NL	lb (kg)		6578/9180 (2984/4164)	
		Axle Loading, Static Front/Rear RL	lb (kg)		23814/2944 (10802/1335)	
လ	33	Tire Size, Front		300 x 15 - 20 Ply		
TIRES & WHEELS	34	Tire Size, Rear			7.00 x 12 - 14 Ply	
I₹	35	Wheelbase	in (mm)	nm) 82.7 (2100)		
త	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)			
I #	38	Ground Clearance, Center of Wheelbase NL	in (mm)	m) 9.3 (237)		
	39	Service Brake - Method of Control/Operation		Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical		
	41	Battery Type			Maintenance Free	
$\forall$	42	Volts/Cold Cranking Amps	v/cca	12/-	475	12/900
3	43	Engine, Manufacturer/Model		Kubota 3.8	L Dual Fuel	Kubota V3800 T4 Final
	44	Permanent Output	hp (kW)	82(61) @ 2200RPM	78(58) @ 2200RPM	74(55) @ 2200RPM
<b>X</b>	45	Torque @ Rated RPM	ft/lbs (kg/m)			
POWERTRAIN	46	Number of Cylinders/Displacement	No/cc (ci)		4/3769 (230)	
8	آل	Standard Speeds, Forward/Reverse			1/1	
3	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)		17.9 (67.8)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)		26.5 (100.3)	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)		2250 (15.5)	

<sup>†</sup> NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Specification Sheet. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale Dealer. †† Limited by traction. For further information on this dimension, please contact your local Yale dealer.

## **GP120VX** specifications

				· · · · · · · · · · · · · · · · · · ·		
		Manufacturer Name		Ya		
	_ 2	Model		GP12	20VX	
		Engine		PSI 4.3L	Kubota 3.8L LPG	
Į	3	Rated Capacity	lb (kg)	12000	(5443)	
GENERAL	4	Load Center, Distance	in (mm)	24 (	610)	
۱ä	5	Power Type	` ′	LF	PG	
쁑	6			Sit-Dow	n Rider	
	7	Step Height	in (mm)	19.1		
	8		()	Pneu	` '	
	_	**	V duiscon			
	9	Wheels, Number - Front/ Rear	X driven	2x		
	_	Lift Height, Top of Fork (TOF)	in (mm)	110 (		
	Ш	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (1		
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (	940)	
	12	Standard Carriage Width	in (mm)	54 (1	372)	
	13	Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50	X 150 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (	1262)	
	15	Mast Tilt Angles, Forward/Backward	degrees	6/	10	
S		Length To Face of Forks	in (mm)	131.5	(3341)	
I	17		in (mm)	57.1	` '	
$\overline{\mathbf{s}}$		Overall Width, Wide Tread	in (mm)	62.0	` '	
É	18		in (mm)	88 (2	`	
DIMENSIONS		Height, Standard Mast - Extended with LBR	in (mm)	160 (	,	
أأتا	19	Height, Standard Mast - Extended without LBR	` '	,	,	
	00	•	in (mm)	147 (	,	
	20		in (mm)	91 (2		
		Height, Optional Overhead Guard	in (mm)	88 (2		
		Height, Overhead Guard with Operator Cab	in (mm)	92 (2	,	
	_	Turning Radius, Minimum Outside (OTR)	in (mm)	114.8	(2915)	
	22	Length, Center of Wheel to Face of Forks	in (mm)	22.9	` '	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	137.9	(3503)	
	24		in (mm)	98.1 (	2490)	
	25	Travel Speed RL/NL 1-Speed	mph (km/h)	11.2/11.7	(18/18.8)	
		2-Speed	mph (km/h)	14.2/14.7	(22.9/23.7)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	98/102	(.50/.51)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (	46/.48)	
+	Lift Speed, Optional 3-Stage FFL RL/NL		ft/min (m/s)	95/98 (	48/.49)	
PERFORMANCE 1	27		ft/min (m/s)	100/83		
IĬ		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	89/63 (.45/.32)		
IÈ		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (		
18	28		lb (kg)	6846/3904 (3105/1771)	6858/3904 (3111/1771)	
눝		2-Speed	lb (kg)	8257/3904 (3745/1771)	8271/3904 (3752/1771)	
뿝		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5741/3904 (2604/1771)	5766/3904 (2615/1771)	
		2-Speed	lb (kg)	6766/3904 (3069/1771)	, ,	
	20	Max Gradeability RL/NL <sup>††</sup> 1-Speed		` '	6794/3904 (3082/1771)	
	29	, ,	%	25/25	25/25	
		2-Speed	%	30/25	31/25	
		Gradeability @ 1 mph RL/NL ** 1-Speed	%	23/25	21/28	
		2-Speed	%	20/26	20/26	
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	16321 (7403)	16519 (7493)	
M.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	28321 (12846)	28519 (12936)	
>	32	<u>.                                    </u>	lb (kg)	6505/9816 (2951/4452)	6584/9935 (2986/4506)	
		Axle Loading, Static Front/Rear RL	lb (kg)	25366/2955 (11506/1340)	25445/3074 (11542/1394)	
CS	33			300 x 15		
圌	34	•		7.00 x 12	? - 14 Ply	
₹	35	Wheelbase	in (mm)	82.7	(2100)	
Š	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (	163)	
TIRES & WHEELS	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (	237)	
	39	Service Brake - Method of Control/Operation		Foot/Hy	rdraulic	
	40	•		Hand/Me		
	41	Battery Type		Maintena		
	42		v/cca		12/475	
Z	43		.,	PSI 4.3L V6	Kubota WG3800 LPG	
Ş	44	• •	hp (kW)	88(66) @ 2200RPM	86(64) @ 2200RPM	
Ë	45		ft/lbs (kg/m)	210(285) @2200RPM	221(300) @1000RPM	
¥	46	•	No/cc (ci)	6/4302 (263)	4/3769 (230)	
POWERTRAIN	-10	Standard Speeds, Forward/Reverse	1/1			
Ë	/10	Hydraulic Tank - capacity (drain & refill)				
			gal (liter)	17.9 N		
		Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)			
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250	(10.0)	

## **GP120VX** specifications

		Manufacturer Name			Yale	
	2	Model			GP120VX	
		Engine		Kubota 3.	8L Dual Fuel	Kubota 3.8L DSL
	3	Rated Capacity	lb (kg)	12000 (5443)		
GENERAL	4	Load Center, Distance	in (mm)		24 (610)	
Iä	5	Power Type		LPG	Gasoline	Diesel
5	6	Operator Type			Sit-Down Rider	
	7	Step Height	in (mm)		19.1 (484)	
	8	Tire Type - Cushion, Solid, Pneumatic			Pneumatic	
	9	Wheels, Number - Front/ Rear	X driven		2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm)		110 (2800)	
	111	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)		4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)		37 (940)	
	12	Standard Carriage Width	in (mm)		54 (1372)	
	13	Forks, Thickness x Width x Length	in (mm)		2 X 6 X 48 (50 X 150 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (1262)		
	15	Mast Tilt Angles, Forward/Backward	degrees		6/10	
$\overline{\mathbf{s}}$	16	Length To Face of Forks	in (mm)		131.5 (3341)	
6	17	Overall Width, Standard Tread	in (mm)		57.1 (1450)	
S		Overall Width, Wide Tread	in (mm)		62.0 (1575	
DIMENSIONS	18	Height, Standard Mast - Lowered	in (mm)		88 (2214)	
		Height, Standard Mast - Extended with LBR	in (mm)		160 (4064)	
		Height, Standard Mast - Extended without LBR	in (mm)		147 (3730)	
	20	Height, Standard Overhead Guard	in (mm)		91 (2302)	
		Height, Optional Overhead Guard	in (mm)		88 (2235)	
		Height, Overhead Guard with Operator Cab	in (mm)		92 (2323)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)		114.8 (2915)	
	22	Length, Center of Wheel to Face of Forks	in (mm)		22.9 (591)	
		Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)		137.9 (3503)	
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)		98.1 (2490)	
	25	Travel Speed RL/NL 1-Speed	mph (km/h)		11.2/11.7 (18/18.8)	
		2-Speed	mph (km/h)		14.2/14.7 (22.9/23.7)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		98/102 (.50/.51)	
	Ť	Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		92/95 (.46/.48)	
_		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		95/98 (.48/.49)	
ĺН	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)		100/83 (.51/.42)	
Į		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		89/63 (.45/.32)	
I		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		97/77 (.47/.39)	
PERFORMANCE .	28	Max Drawbar Pull RL/NL 1-Speed	lb (kg)	6478/3904 (2938/1771)	6255/3904 (2837/1771)	6336/3904 (2874/1771)
쯗		2-Speed	lb (kg)	7817/3904 (3546/1771)	7550/3904 (3425/1771)	7647/3904 (3469/1771)
Б		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg)	5449/3904 (2472/1771)	5272/3904 (2392/1771)	5337/3904 (2421/1771)
		2-Speed	lb (kg)	6432/3904 (2917/1771)	6229/3904 (2825/1771)	6303/3904 (2859/1771)
	29	Max Gradeability RL/NL <sup>††</sup> 1-Speed	%	23/25	23/25	23/25
		2-Speed	%	29/25	28/25	28/25
		Gradeability @ 1 mph RL/NL <sup>††</sup> 1-Speed	%	22/28	24/28	24/28
		2-Speed	%	22/26	22/26	21/26
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)		16519 (7493)	
WT.		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)		28519 (12936)	
8	32	Axle Loading, Static Front/Rear NL	lb (kg)		6584/9935 (2986/4506)	
		Axle Loading, Static Front/Rear RL	lb (kg)		25445/3074 (11542/1394)	
S	33	Tire Size, Front			300 x 15 - 20 Ply	
ᇤ	34	Tire Size, Rear		7.00 x 12 - 14 Ply		
¥	35	Wheelbase	in (mm)			
TIRES & WHEELS	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	n) 6.4 (163)		
H H	38	Ground Clearance, Center of Wheelbase NL	in (mm)			
囯	39	Service Brake - Method of Control/Operation		Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical		
	41	Battery Type			Maintenance Free	
3		Volts/Cold Cranking Amps	v/cca	12/475	12/475	12/900
	43	Engine, Manufacturer/Model		Kubota 3.	8L Dual Fuel	Kubota V3800 T4 Final
ž		Permanent Output	hp (kW)	82(61) @ 2200RPM	78(58) @ 2200RPM	74(55) @ 2200RPM
Æ		Torque @ Rated RPM	ft/lbs (kg/m)			
POWERTRAIN	46	Number of Cylinders/Displacement	No/cc (ci)		4/3769 (230)	
3		Standard Speeds, Forward/Reverse			1/1	
		Hydraulic Tank - capacity (drain & refill)	gal (liter)		17.9 (67.8)	
		Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)		26.5 (100.3)	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)		2250 (15.5)	

<sup>†</sup> NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Specification Sheet. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale Dealer. †† Limited by traction. For further information on this dimension, please contact your local Yale dealer.

#### Standard equipment

- PSI 4.3L, V-6 emissions compliant engine
- One-speed powershift transmission (standard with H80-90FT)
  - Electronic inching
  - Electronic shift control
- Oil-cooled wet disc brakes
- MONOTROL® pedal
- 2-Stage limited free-lift (LFL) VISTA<sup>™</sup> mast with maximum fork height of 120" (3050 mm) (H80-90FT) or 110" (2800 mm) (H100-120FT)
- 48" (1219 mm) (H80-90FT) or 54" (1372 mm) (H100-120FT) wide hook-type carriage with 48.0" (1219) tall load backrest
- 48" (1219 mm) long forks

- 6 degrees forward and 10 degrees backward mast tilt
- 3-function hydraulic control valve
- Integrated dashboard display includes:
  - LCD display:
    - Fuel level (gasoline or diesel only)
    - Hour meter
    - Coolant temperature
    - Clock
    - Messages
  - Service indicator lights:
    - Alternator
    - Transmission oil temperature
    - Engine oil pressure
    - Brake fluid level

#### **Options**

- Kubota 3.8L Tier 4 Final DOC turbo diesel engine
- Kubota 3.8L LPG engine
- Kubota 3.8L Dual Fuel engine
- Powertrain protection system
- Premium monitoring
- High air intake with precleaner
- Accutouch mini-lever, electro-hydraulic control with on-demand hydraulic system
- On-demand cooling system
- Full venting package
- Accumulator
- Keyless start (w/auxiliary key switch)
- LED brake and back-up lights
- Halogen or LED headlights & rear drive lights
- Traction speed limiter
- Swing-out, drop-down EZ-Tank Bracket
- Return-to-set tilt
- Rear drive handle with horn button
- Optical sensing low LPG fuel sensor
- Full-suspension, semi-suspension, or swivel full suspension seat (vinyl or cloth)
- High-visibility non-cinch seat belt with or without interlock
- Foot Directional Control pedal
- Operator password
- Mirrors dual side view
- Alarm-reverse actuated 82-102 dB(A) self adjusting
- Amber strobe light continuous activated
- Paper applications kit
- 4 function (2 aux) hydraulic control valve
- 12° forward/6° backward tilt

#### **Capacity Specific Options**

#### **GP080-090VX**

- Techtronix transmission
  - Auto deceleration system
  - Controlled power reversal feature
  - Controlled roll back on ramps
- Optional Techtronix two-speed transmission
  - Additional forward speed
  - Higher gradeability and drawbar pull performance
  - Increased travel speeds
- Premium wet disc brakes

#### **GP100-120VX**

- Techtronix 100X transmission
  - Auto deceleration system
  - Controlled power reversal feature
  - Controlled roll back on ramps

	GP080-090VX MAST DIMENSIONS						
Maximum Fork Height	Overall Lowered	Overall Exte	nded Height	Free-Lift (TOF)			
(TOF)	Height	w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest		
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)		
		2-Stage Limited F	ree-Lift (LFL) Mast				
120 (3050)	86 (2171)	170 (4297)	151 (3815)	5 (150)	5 (150)		
143 (3650)	98 (2471)	193 (4897)	174 (4415)	5 (150)	5 (150)		
167 (4250)	110 (2771)	217 (5497)	198 (5015)	5 (150)	5 (150)		
	2-Stage Full Free-Lift (FFL) Mast						
121 (3075)	86 (2171)	171 (4322)	154 (3887)	36 (924)	53 (1359)		
144 (3675)	98 (2471)	194 (4922)	177 (4487)	48 (1224)	65 (1659)		
		3-Stage Full Fre	ee-Lift (FFL) Mast				
173 (4415)	86 (2171)	223 (5662)	206 (5227)	36 (924)	53 (1359)		
185 (4715)	90 (2271)	235 (5962)	218 (5527)	40 (1024)	57 (1459)		
194 (4950)	94 (2371)	244 (6197)	227 (5762)	44 (1124)	61 (1559)		
206 (5250)	98 (2471)	256 (6497)	239 (6062)	48 (1224)	65 (1659)		
218 (5550)	102 (2571)	268 (6797)	251 (6362)	52 (1324)	69 (1759)		

Note: GP080-090VX has standard 250 x 15-20 PR drive tires @ 55.2 inch (1402 mm) overall width.

	G	P100-120VX M <i>A</i>	AST DIMENSION	IS	
Maximum Fork Height	Overall Lowered	Overall Exte	nded Height	Free-Lift (TOF)	
(TOF)	Height	w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
		2-Stage Limited I	Free-Lift (LFL) Mast		
110 (2800)	88 (2214)	160 (4064)	147 (3730)	6 (160)	6 (160)
133 (3400)	99 (2514)	184 (4664)	171 (4330)	6 (160)	6 (160)
157 (4000)	111 (2814)	208 (5264)	195 (4930)	6 (160)	6 (160)
		2-Stage Full Fro	ee-Lift (FFL) Mast		
134 (3425)	99 (2514)	185 (4689)	174 (4407)	49 (1250)	60 (1532)
		3-Stage Full Fro	ee-Lift (FFL) Mast		
163 (4147)	88 (2214)	214 (5411)	202 (5129)	37 (950)	48 (1232)
175 (4447)	92 (2314)	225 (5711)	214 (5429)	41 (1050)	52 (1332)
185 (4700) 96 (2414)		235 (5964)	224 (5682)	45 (1150)	56 (1432)
196 (5000)	99 (2514)	247 (6264)	236 (5982)	49 (1250)	60 (1532)
208 (5300)	103 (2614)	259 (6564)	248 (6282)	53 (1350)	64 (1632)

Note: GP100-120VX has standard 300 x 15 drive tires @ 57.1 inch (1450 mm) overall width.

For more information, or to find your nearest Yale® dealer, go to Yale.com.



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Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale® Industrial Truck Dealer if any of the information shown is critical to your application. Specifications are subject to change without notice. This truck meets all applicable mandatory requirements of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture.

Classified by Underwriters' Laboratories, Inc., as to fire and electric shock hazard only for Type E industrial trucks.

Manufactured in our own ISO 9001 and 14001 Registered Facilities